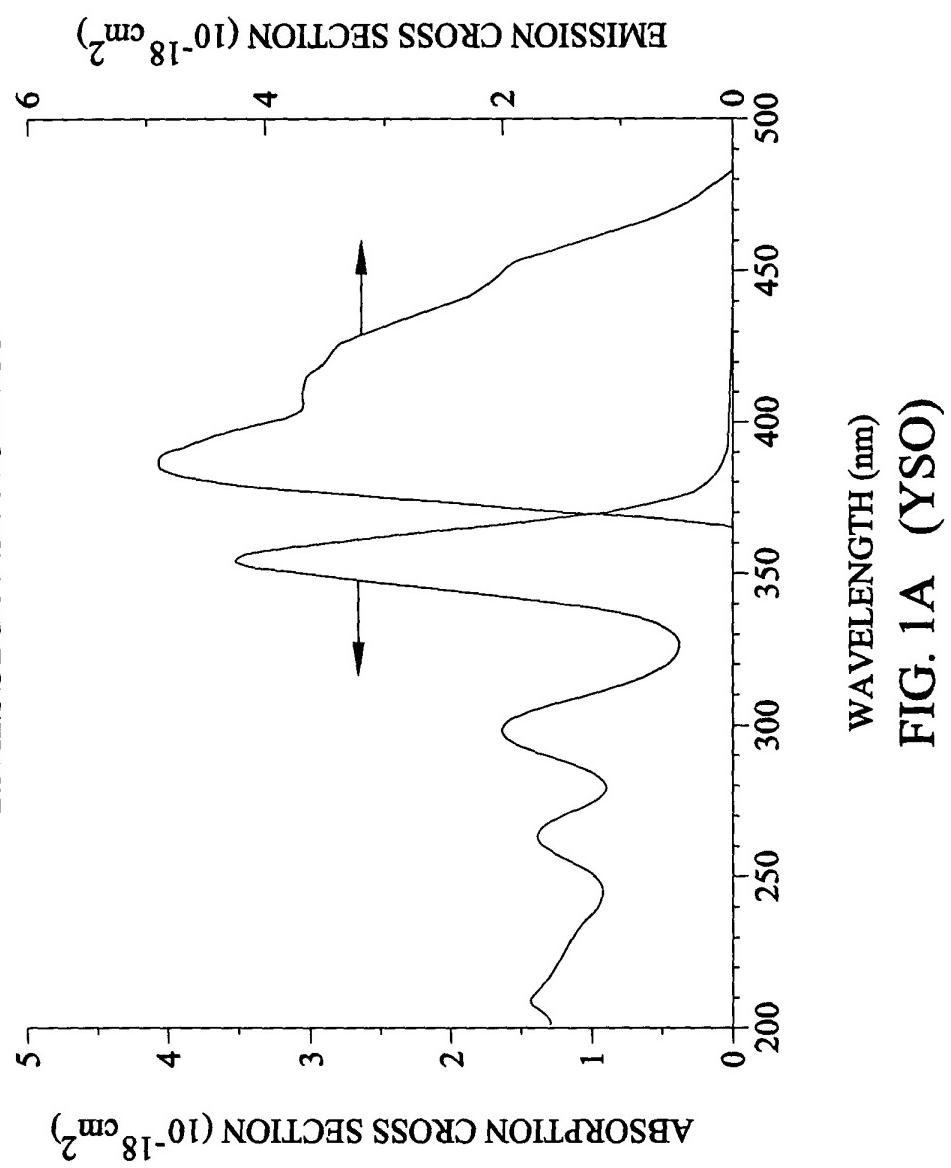




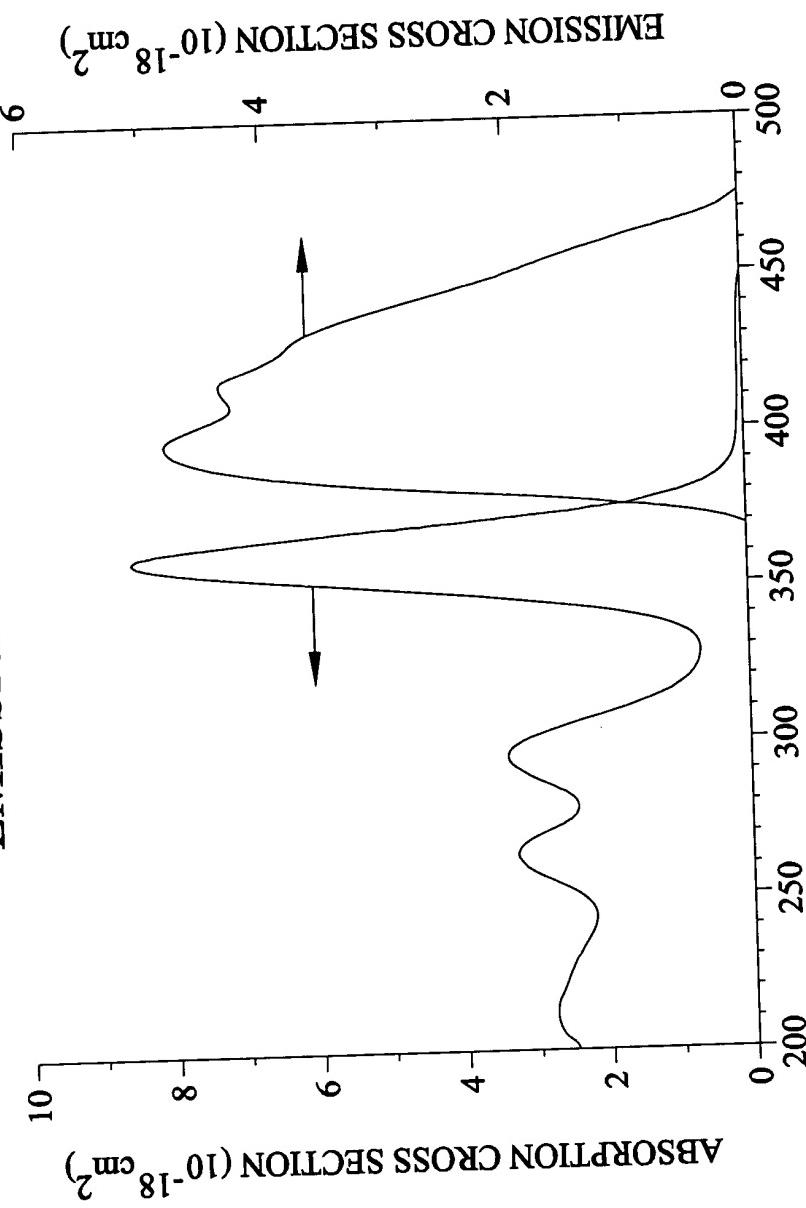
Ce³⁺: Y₂SiO₅ ABSORPTION AND EMISSION SPECTRA



WAVELENGTH (nm)
FIG. 1A (YSO)



Ce³⁺ : Lu₂SiO₅ ABSORPTION AND
EMISSION SPECTRA





SCINTILLATING DETECTORS



FIG. 2



SCINTILLATING RESULT

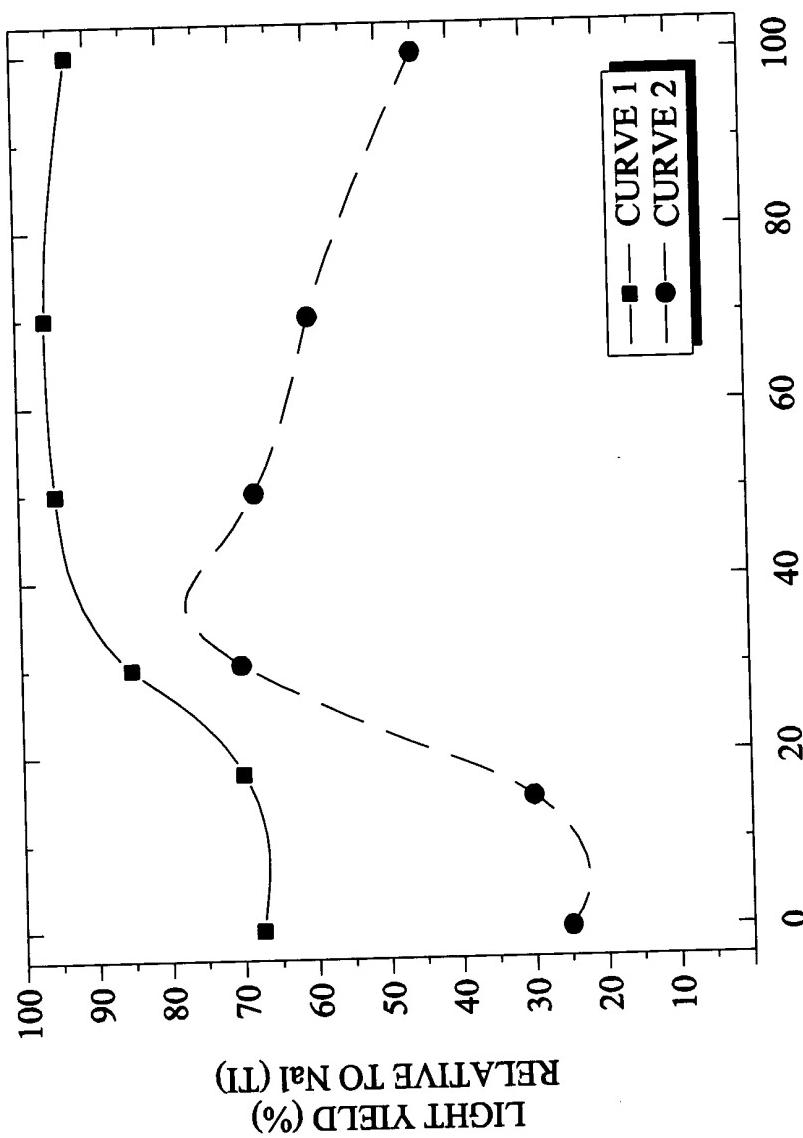


FIG. 3
% OF Lu IN LYSO



EFFECTIVE Z AS A FUNCTION OF Lu
IN LYSO

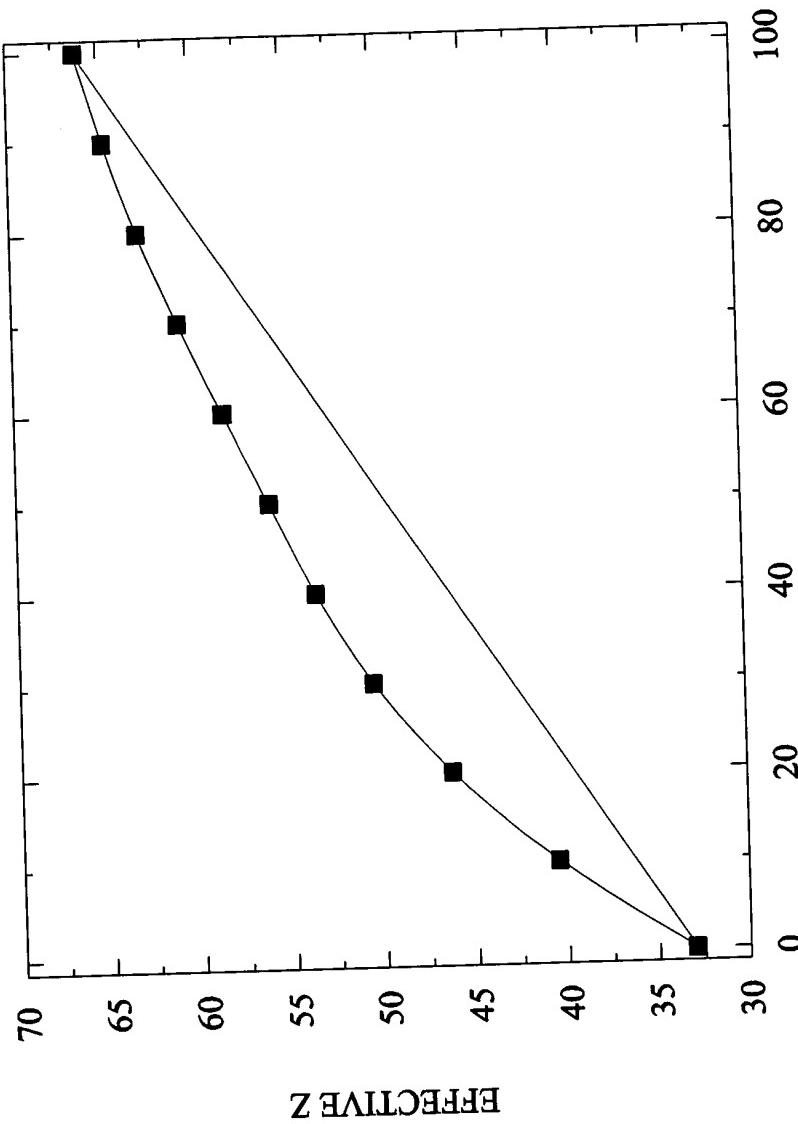


FIG. 4